

## WEST Search History

DATE: Tuesday, December 23, 2003

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
		<i>DB=USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L5	L4 and dialysis	15
<input type="checkbox"/>	L4	L2 and trap	83
<input type="checkbox"/>	L3	L2 and reactive carbonyl	8
<input type="checkbox"/>	L2	L1 and carbonyl	907
<input type="checkbox"/>	L1	(514/2,23,183 )![CCLS]	6674

END OF SEARCH HISTORY

(FILE 'HOME' ENTERED AT 09:57:18 ON 23 DEC 2003)

FILE 'CAPLUS' ENTERED AT 09:57:46 ON 23 DEC 2003

FILE 'CAPLUS, MEDLINE, USPATFULL, EUROPATFULL' ENTERED AT 09:58:02 ON 23 DEC 2003

L1	1027 S REACTIVE CARBONYL
L2	0 S REACTIVE CARBONYL TRAP
L3	139 S L1 AND TRAP
L4	29 S L3 AND DIALYSIS
L5	126 S L3 AND (CHARCOAL OR ?GUANIDINE OR ALBUMIN OR CYSTEINE OR HYD
L6	56 S L5 AND FILTER
L7	19 S L6 AND DIALY?

L7 ANSWER 1 OF 19 USPATFULL on STN

ACCESSION NUMBER: 2003:312757 USPATFULL  
TITLE: Novel inhibitors of formation of advanced glycation  
endproducts (AGEs)  
INVENTOR(S): Rahbar, Samuel, Encino, CA, UNITED STATES  
Lalezari, Iraj, Scarsdale, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003220362	A1	20031127
APPLICATION INFO.:	US 2003-358403	A1	20030205 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-800976, filed on 8 Mar 2001, GRANTED, Pat. No. US 6605642 Continuation-in-part of Ser. No. US 2000-543703, filed on 5 Apr 2000, GRANTED, Pat. No. US 6337350		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-127835P	19990405 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	ROTHWELL, FIGG, ERNST & MANBECK, P.C., 1425 K STREET, N.W., SUITE 800, WASHINGTON, DC, 20005	
NUMBER OF CLAIMS:	7	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	19 Drawing Page(s)	
LINE COUNT:	980	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The nonenzymatic glycation and crosslinking of proteins is a part of the aging process with the glycation endproducts and crosslinking of long-lived proteins increasing with age. This process is increased at elevated concentrations of reducing sugars in the blood and in the intracellular environment such as occurs with diabetes. The structural and functional integrity of the affected molecules become disturbed by these modifications and can result in severe consequences. The compounds of the present invention can be used to inhibit this process of nonenzymatic glycation and therefore to inhibit some of the ill effects caused by diabetes or by aging. The compounds are also useful for preventing premature aging, spoilage of proteins in food and can prevent discoloration of teeth.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 2 OF 19 USPATFULL on STN

ACCESSION NUMBER: 2003:308308 USPATFULL  
TITLE: Preventing and reversing advanced glycosylation  
endproducts  
INVENTOR(S): Cerami, Anthony, Shelter Island, NY, United States  
Ulrich, Peter C., Old Tappan, NJ, United States  
Wagle, Dilip R., Valley Cottage, NY, United States  
Hwang, San-Bao, Sudbury, MA, United States  
Vasan, Sara, Yonkers, NY, United States  
Egan, John J., New York City, NY, United States  
PATENT ASSIGNEE(S): Alteon Inc., Ramsey, NJ, United States (U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 38330	E1	20031125
	US 5656261		19970812 (Original)
APPLICATION INFO.:	US 1999-373345		19990812 (9)
	US 1995-375155		19950118 (Original)
DOCUMENT TYPE:	Reissue		

FILE SEGMENT: GRANTED  
 PRIMARY EXAMINER: McKane, Joseph K.  
 ASSISTANT EXAMINER: Sackey, Ebenezer  
 LEGAL REPRESENTATIVE: Elrifi, Ph.D., Ivor R., Golden, Matthew J., Mintz, Levin, Cohn, Ferris, Glovsky & Popeo, P.C.  
 NUMBER OF CLAIMS: 234  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)  
 LINE COUNT: 1970

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to compositions and methods for inhibiting and reversing nonenzymatic cross-linking (protein aging). Accordingly, a composition is disclosed which comprises a thiazolium compound capable of inhibiting, and to some extent reversing, the formation of advanced glycosylation endproducts of target proteins by reacting with the carbonyl moiety of the early glycosylation product of such target proteins formed by their initial glycosylation. The method comprises contacting the target protein with the composition. Both industrial and therapeutic applications for the invention are envisioned, as food spoilage and animal protein aging can be treated. A novel immunoassay for detection of the reversal of the nonenzymatic crosslinking is also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 3 OF 19 USPATFULL on STN

ACCESSION NUMBER: 2003:220192 USPATFULL  
 TITLE: Concentrated, stable fabric softening composition  
 INVENTOR(S): Trinh, Toan, Maineville, OH, UNITED STATES  
 Tordil, Helen Bernardo, West Chester, OH, UNITED STATES  
 Wahl, Errol Hoffman, Cincinnati, OH, UNITED STATES  
 Rinker, Jennifer Lea, Fairfield, OH, UNITED STATES  
 Demeyere, Hugo Jean Marie, Merchtem, BELGIUM  
 Declercq, Marc Johan, Strombeek, BELGIUM  
 Gosselink, Eugene Paul, Cincinnati, OH, UNITED STATES  
 Letton, James Carey, Forest Park, OH, UNITED STATES  
 Back, Deborah Jean, Cleves, OH, UNITED STATES  
 Severns, John Cort, West Chester, OH, UNITED STATES  
 Sivik, Mark Robert, Fairfield, OH, UNITED STATES  
 Vogel, Alice Marie, Middletown, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003153483	A1	20030814
APPLICATION INFO.:	US 2001-954772	A1	20010918 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-983542, filed on 25 Sep 1998, PATENTED Continuation-in-part of Ser. No. US 1996-621019, filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-620627, filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-620767, filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-620513, filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-621285, filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-621299, filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-621298, filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-620626, filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-620625, filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-620772, filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-621281, filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-620514, filed		

on 22 Mar 1996, ABANDONED Continuation-in-part of Ser.  
No. US 1996-620958, filed on 22 Mar 1996, ABANDONED

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: THE PROCTER & GAMBLE COMPANY, PATENT DIVISION,  
IVORYDALE TECHNICAL CENTER - BOX 474, 5299 SPRING GROVE  
AVENUE, CINCINNATI, OH, 45217

NUMBER OF CLAIMS: 22  
EXEMPLARY CLAIM: 124  
LINE COUNT: 10204  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Principal solvents, especially mono-ol and diol principal solvents, having a ClogP of from about 0.15 to about 0.64, preferably from about 0.25 to about 0.62, and more preferably from about 0.40 to about 0.60, are disclosed that have the ability to make clear aqueous fabric softener compositions containing relatively high concentrations of fabric softener actives having ester linkages in their long, hydrophobic chains. The fabric softener actives are either unsaturated, or have intermediate length chains (.about.C.sub.12-14) and the said principal solvents are used at levels of less than about 40%. Other solvents may be present. Some of the said principal solvents are novel compounds and/or novel mixtures. Premixes of the fabric softening actives, the principal solvents, and, optionally, other solvents are useful in the preparation of complete formulations by obviating/limiting the need for heating.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 4 OF 19 USPATFULL on STN  
ACCESSION NUMBER: 2002:337482 USPATFULL  
TITLE: Method of treating certain indications associated with hyperglycemia  
INVENTOR(S): Cerami, Anthony, Shelter Island, NY, UNITED STATES  
Ulrich, Peter C., Old Tappan, NJ, UNITED STATES  
Wagle, Dilip R., Valley Cottage, NY, UNITED STATES  
Hwang, San-Bao, Sudbury, MA, UNITED STATES  
Vasan, Sara, Yonkers, NY, UNITED STATES  
Egan, John J., Mountain Lakes, NJ, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002192842	A1	20021219
APPLICATION INFO.:	US 2002-174883	A1	20020619 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 1999-470482, filed on 22 Dec 1999, GRANTED, Pat. No. US 6440749 Division of Ser. No. US 1997-971878, filed on 19 Nov 1997, GRANTED, Pat. No. US 6007865 Division of Ser. No. US 1996-588249, filed on 18 Jan 1996, GRANTED, Pat. No. US 5853703 Continuation-in-part of Ser. No. US 1995-473184, filed on 7 Jun 1995, ABANDONED Continuation-in-part of Ser. No. US 1995-375155, filed on 18 Jan 1995, GRANTED, Pat. No. US 5656261		

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: ALLEN BLOOM, C/O DECHERT, PRINCETON PIKE CORPORATION  
CENTER, P.O. BOX 5218, PRINCETON, NJ, 08543-5218

NUMBER OF CLAIMS: 13  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 2 Drawing Page(s)  
LINE COUNT: 2061  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to compositions and methods for inhibiting and reversing nonenzymatic cross-linking (protein aging). Accordingly, compositions are disclosed which comprise an agent capable of inhibiting

the formation of advanced glycosylation endproducts of target proteins, and which additionally reverse pre-formed crosslinks in the advanced glycosylation endproducts by cleaving alpha-dicarbonyl-based protein crosslinks present in the advanced glycosylation endproducts. Certain agents useful are thiazolium salts. The method comprises contacting the target protein with the composition. Both industrial and therapeutic applications for the invention are envisioned, as food spoilage and animal protein aging can be treated. A novel immunoassay for detection of the reversal of the nonenzymatic crosslinking is also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 5 OF 19 USPATFULL on STN

ACCESSION NUMBER: 2002:280686 USPATFULL

TITLE: Method and use of alpha-amino-beta-mercapto-ethane derivatives as dicarbonyl scavengers for treatment of conditions resulting from protein, lipid, and DNA damage

INVENTOR(S): Jacobson, Elaine L., Tucson, AZ, UNITED STATES  
Jacobson, Myron K., Tucson, AZ, UNITED STATES  
Wondrak, Georg T., Tucson, AZ, UNITED STATES  
Laurean, Daniel Cervantes, Tucson, AZ, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002156134	A1	20021024
APPLICATION INFO.:	US 2002-93974	A1	20020307 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-836552, filed on 16 Apr 2001, GRANTED, Pat. No. US 6417235		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-197216P	20000414 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FULBRIGHT & JAWORSKI, LLP, 666 FIFTH AVE, NEW YORK, NY, 10103-3198	
NUMBER OF CLAIMS:	7	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	19 Drawing Page(s)	
LINE COUNT:	774	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods of inhibiting damage to proteins, lipids, and DNA by the use of penicillamines and other .alpha.-amino-.beta.,.beta.-mercapto-.beta.,.beta.-dimethyl-ethane compounds as dicarbonyl scavengers is disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 6 OF 19 USPATFULL on STN

ACCESSION NUMBER: 2002:217094 USPATFULL

TITLE: Method of treating certain indications associated with hyperglycemia

INVENTOR(S): Cerami, Anthony, Shelter Island, NY, United States  
Ulrich, Peter C., Old Tappan, NJ, United States  
Wagle, Dilip R., Valley Cottage, NY, United States  
Hwang, San-Bao, Sudbury, MA, United States  
Vasan, Sara, Yonkers, NY, United States  
Egan, John J., Mountain Lakes, NJ, United States

PATENT ASSIGNEE(S): Alteon. Inc., Ramsey, NJ, United States (U.S. corporation)  
The Picower Institute for Medical Research, Manhasset, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6440749	B1	20020827
APPLICATION INFO.:	US 1999-470482		19991222 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-971878, filed on 19 Nov 1997, now patented, Pat. No. US 6007865 Division of Ser. No. US 1996-588249, filed on 18 Jan 1996, now patented, Pat. No. US 5853703 Continuation-in-part of Ser. No. US 1995-473184, filed on 7 Jun 1995, now abandoned Continuation-in-part of Ser. No. US 1995-375155, filed on 18 Jan 1995, now patented, Pat. No. US 5656261, issued on 12 Aug 1997		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Higel, Floyd D.		
ASSISTANT EXAMINER:	Small, Andrea D.		
LEGAL REPRESENTATIVE:	Dechert		
NUMBER OF CLAIMS:	55		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	2256		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to compositions and methods for inhibiting and reversing nonenzymatic cross-linking (protein aging). Accordingly, compositions are disclosed which comprise an agent capable of inhibiting the formation of advanced glycosylation endproducts of target proteins, and which additionally reverse pre-formed crosslinks in the advanced glycosylation endproducts by cleaving alpha-dicarbonyl-based protein crosslinks present in the advanced glycosylation endproducts. Certain agents useful are thiazolium salts. The method comprises contacting the target protein with the composition. Both industrial and therapeutic applications for the invention are envisioned, as food spoilage and animal protein aging can be treated. A immunoassay for detection of the reversal of the nonenzymatic crosslinking is also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 7 OF 19 USPATFULL on STN

ACCESSION NUMBER: 2002:66844 USPATFULL  
 TITLE: Method for identifying regulators of protein-advanced glycation end product (protein-AGE) formation  
 INVENTOR(S): Jacobson, Elaine L., Tucson, AZ, UNITED STATES  
 Jacobson, Myron K., Tucson, AZ, UNITED STATES  
 Wondrak, Georg T., Tucson, AZ, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002037496	A1	20020328
APPLICATION INFO.:	US 2001-836576	A1	20010416 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-197829P	20000414 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Fulbright & Jaworski LLP, 666 Fifth Avenue, New York, NY, 10103	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	19 Drawing Page(s)	
LINE COUNT:	884	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to methods for identifying compounds which affect cellular stress. In particular, the method relates to identifying

compounds which inhibit protein advanced glycation end product formation, where the compounds are carbonyl scavengers which inhibit the formation. The assay involves combining the substance of interest with histone H1 and ADP-ribose, and then measuring fluorescence and protein cross linking. Various inhibitors of protein AGE glycation have been identified, using this assay.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 8 OF 19 USPATFULL on STN

ACCESSION NUMBER: 2001:229705 USPATFULL

TITLE: Method and use of penicillamines and other alpha-amino-beta,beta-mercapto-beta,beta-dimethyl-ethane derivatives as dicarbonyl scavengers for treatment of conditions resulting from protein, lipid, and DNA damage

INVENTOR(S): Jacobson, Elaine L., Tucson, AZ, United States  
Jacobson, Myron K., Tucson, AZ, United States  
Wondrak, Georg T., Tucson, AZ, United States  
Laurean, Daniel Cervantes, Tucson, AZ, United States

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001051658	A1	20011213
	US 6417235	B2	20020709
APPLICATION INFO.:	US 2001-836552	A1	20010416 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-197216P	20000414 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FULBRIGHT & JAWORSKI, LLP, 666 FIFTH AVE, NEW YORK, NY, 10103-3198	
NUMBER OF CLAIMS:	7	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	19 Drawing Page(s)	
LINE COUNT:	684	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods of inhibiting damage to proteins, lipids, and DNA by the use of penicillamines and other .alpha.-amino-.beta.,.beta.-mercapto-.beta.,.beta.-dimethyl-ethane compounds as dicarbonyl scavengers is disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 9 OF 19 USPATFULL on STN

ACCESSION NUMBER: 1999:170258 USPATFULL

TITLE: Reversing the formation of advanced glycosylation endproducts

INVENTOR(S): Cerami, Anthony, Shelter Island, NY, United States  
Ulrich, Peter C., Old Tappan, NJ, United States  
Wagle, Dilip R., Valley Cottage, NY, United States  
Hwang, San-Bao, Sudbury, MA, United States  
Vasan, Sara, Yonkers, NY, United States  
Egan, John J., Mountain Lakes, NJ, United States  
PATENT ASSIGNEE(S): Alteon Inc., United States (U.S. corporation)  
The Picower Institute for Medical Research, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6007865		19991228
APPLICATION INFO.:	US 1997-971878		19971119 (8)



RELATED APPLN. INFO.: Division of Ser. No. US 1996-588249, filed on 18 Jan 1996, now patented, Pat. No. US 5853703 which is a continuation of Ser. No. US 1995-473184, filed on 7 Jun 1995, now abandoned which is a continuation of Ser. No. US 1995-375155, filed on 18 Jan 1995, now patented, Pat. No. US 5656261

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: McKane, Joseph K.  
LEGAL REPRESENTATIVE: Dechert Price & Rhoads  
NUMBER OF CLAIMS: 45  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 2 Drawing Figure(s); 2 Drawing Page(s)  
LINE COUNT: 2190

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to compositions and methods for inhibiting and reversing nonenzymatic cross-linking (protein aging). Accordingly, compositions are disclosed which comprise an agent capable of inhibiting the formation of advanced glycosylation endproducts of target proteins, and which additionally reverse pre-formed crosslinks in the advanced glycosylation endproducts by cleaving alpha-dicarbonyl-based protein crosslinks present in the advanced glycosylation endproducts. Certain agents useful are thiazolium salts. The method comprises contacting the target protein with the composition. Both industrial and therapeutic applications for the invention are envisioned, as food spoilage and animal protein aging can be treated. A novel immunoassay for detection of the reversal of the nonenzymatic crosslinking is also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 10 OF 19 USPATFULL on STN

ACCESSION NUMBER: 1999:27676 USPATFULL  
TITLE: N-acylaminoalkyl-hydrazinecarboximidamides  
INVENTOR(S): Ulrich, Peter C., Old Tappan, NJ, United States  
Wagle, Dilip R., Valley Cottage, NY, United States  
PATENT ASSIGNEE(S): Alteon Inc., Ramsey, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5877217		19990302
APPLICATION INFO.:	US 1996-771959		19961223 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1995-9220P	19951226 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Fay, Zohreh	
LEGAL REPRESENTATIVE:	Klauber & Jackson	
NUMBER OF CLAIMS:	26	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1054	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to compositions and methods for inhibiting nonenzymatic cross-linking (protein aging) using compounds of the following formula I ##STR1## wherein alk is a straight or branched chain alkylene group containing from 2 to 8 carbon atoms, and R is a lower alkyl group containing from 1 to 6 carbon atoms; and their biologically or pharmaceutically acceptable acid addition salts. Accordingly, a compositions are disclosed which comprises these N-acylaminoalkylhydrazinecarboximidamides, which are capable of inhibiting the formation of advanced glycosylation endproducts of target proteins. The method comprises contacting the target protein with the composition.

Both industrial and therapeutic applications for the invention are envisioned, as food spoilage and animal protein aging can be treated.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 11 OF 19 USPATFULL on STN

ACCESSION NUMBER: 1998:161979 USPATFULL

TITLE: Preventing and reversing the formation of advanced glycosylation endproducts

INVENTOR(S): Cerami, Anthony, Shelter Island, NY, United States  
Ulrich, Peter C., Old Tappan, NJ, United States  
Wagle, Dilip R., Valley Cottage, NY, United States  
Hwang, San-Bao, Sudbury, MA, United States  
Vasan, Sara, Yonkers, NY, United States  
Egan, John J., Mountain Lakes, NJ, United States

PATENT ASSIGNEE(S): The Picower Institute for Medical Research, Manhasset, NY, United States (U.S. corporation)  
Alteon Inc., Ramsey, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5853703		19981229
APPLICATION INFO.:	US 1996-588249		19960118 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1995-473104, filed on 7 Jun 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-375155, filed on 18 Jan 1995, now patented, Pat. No. US 5656261		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	McKane, Joseph K.		
LEGAL REPRESENTATIVE:	Klauber & Jackson		
NUMBER OF CLAIMS:	86		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	2478		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to compositions and methods for inhibiting and reversing nonenzymatic cross-linking (protein aging). Accordingly, compositions are disclosed which comprise an agent capable of inhibiting the formation of advanced glycosylation endproducts of target proteins, and which additionally reverse pre-formed crosslinks in the advanced glycosylation endproducts by cleaving alpha-dicarbonyl-based protein crosslinks present in the advanced glycosylation endproducts. Certain agents useful are thiazolium salts. The method comprises contacting the target protein with the composition. Both industrial and therapeutic applications for the invention are envisioned, as food spoilage and animal protein aging can be treated. A novel immunoassay for detection of the reversal of the nonenzymatic crosslinking is also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 12 OF 19 USPATFULL on STN

ACCESSION NUMBER: 97:70708 USPATFULL

TITLE: Preventing and reversing advanced glycosylation endproducts

INVENTOR(S): Cerami, Anthony, Shelter Island, NY, United States  
Ulrich, Peter C., Old Tappan, NJ, United States  
Wagle, Dilip R., Valley Cottage, NY, United States  
Hwang, San-Bao, Sudbury, MA, United States  
Vasan, Sara, Yonkers, NY, United States  
Egan, John J., Mountain Lakes, NJ, United States

PATENT ASSIGNEE(S): The Picower Institute for Medical Research, Manhasset, NY, United States (U.S. corporation)

Alteon Inc., Ramsey, NJ, United States (U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5656261		19970812
APPLICATION INFO.:	US 1995-375155		19950118 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	McKane, Joseph		
LEGAL REPRESENTATIVE:	Klauber & Jackson		
NUMBER OF CLAIMS:	57		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1411		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to compositions and methods for inhibiting and reversing nonenzymatic cross-linking (protein aging). Accordingly, a composition is disclosed which comprises a thiazolium compound capable of inhibiting, and to some extent reversing, the formation of advanced glycosylation endproducts of target proteins by reacting with the carbonyl moiety of the early glycosylation product of such target proteins formed by their initial glycosylation. The method comprises contacting the target protein with the composition. Both industrial and therapeutic applications for the invention are envisioned, as food spoilage and animal protein aging can be treated. A novel immunoassay for detection of the reversal of the nonenzymatic crosslinking is also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 13 OF 19 EUROPATFULL COPYRIGHT 2003 WILA on STN

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 1327887 EUROPATFULL EW 200329 FS OS  
TITLE: Use of thiazolium compounds for preventing and reversing the formation of advanced glycosylation end products.  
Verwendung von Thiazoliumverbindungen zum Verhindern und Umkehren der Bildung von Endprodukten der fortgeschrittenen Glykosylierung.  
Utilisation de composes de thiazolium pour empecher et inverser la formation de produits finis de glycosylation avancee.  
INVENTOR(S): Cerami, Anthony, Ram Island Drive, Shelter Island, NY 11964, US;  
Ulrich, Peter C., 148 DeWolf Road, Old Tappan, NJ 07675, US;  
Wagle, Dilip R., Cottage No. 4, 731 Route 9W, Valley Cottage, NY 10989, US;  
Hwang, San-Bao, 38, Carriage Way, Sudbury, MA 01776, US;  
Vasan, Sara, 1155 Warburton Avenue, Yonkers, NY 10701, US;  
Egan, John J., 63 Ball Road, Mountain Lakes, NJ 07046, US  
PATENT ASSIGNEE(S): Alteon, Inc., 170 Williams Drive, Ramsey, NJ 07446, US;  
THE PICOWER INSTITUTE FOR MEDICAL RESEARCH, 350 Community Drive, Manhasset, NY 11030, US  
PATENT ASSIGNEE NO: 3028270; 1673241  
AGENT: Mercer, Christopher Paul et al., Carpmiels & Ransford 43, Bloomsbury Square, London WC1A 2RA, GB  
AGENT NUMBER: 46611  
OTHER SOURCE: MEPA2003055 EP 1327887 A2 0037  
SOURCE: Wila-EPZ-2003-H29-T2a  
DOCUMENT TYPE: Patent

LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch  
DESIGNATED STATES: R AT; R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R  
IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE  
PATENT INFO.PUB.TYPE: EPA2 EUROPAEISCHE PATENTANMELDUNG  
PATENT INFORMATION:

	PATENT NO	KIND DATE
	EP 1327887	A2 20030716
'OFFENLEGUNGS' DATE:		20030716
APPLICATION INFO.:	EP 2003-75955	19960118
PRIORITY APPLN. INFO.:	US 1995-375155	19950118
	US 1996-588249	19960118
RELATED DOC. INFO.:	EP 808163	DIV

L7 ANSWER 14 OF 19 EUROPATFULL COPYRIGHT 2003 WILA on STN

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 1228756 EUROPATFULL EW 200232 FS OS  
TITLE: AGENTS FOR RELIEVING CARBONYL STRESS.  
WIRKSTOFFE GEGEN CARBONYL-STRESS.  
AGENTS PERMETTANT DE SOULAGER LE STRESS INDUIT PAR LE  
CARBONYLE.  
INVENTOR(S): MIYATA, Toshio, 102 Ekuseru Isehara 16-25, Sakuradai  
2-chome, Isehara-shi, Kanagawa 259-1132, JP  
PATENT ASSIGNEE(S): Kurokawa, Kiyoshi, Ichigayahills 401, 49 Ichigaya-cho,  
Sinjuku-ku, Tokyo 162-0061, JP;  
Miyata, Toshio, 102 Ekuseru Isehara, 16-25, Sakuradai  
2-chome, Isehara-shi, Kanagawa 259-1132, JP  
PATENT ASSIGNEE NO: 2738251; 2964891  
AGENT: Gruenecker, Kinkeldey, Stockmair & Schwanhaeusser  
Anwaltssozietael, Maximilianstrasse 58, 80538 Muenchen,  
DE  
AGENT NUMBER: 100721  
OTHER SOURCE: BEPA2002066 EP 1228756 A1 0023  
SOURCE: Wila-EPZ-2002-H32-T1b  
DOCUMENT TYPE: Patent  
LANGUAGE: Anmeldung in Japanisch; Veroeffentlichung in Englisch;  
Verfahren in Englisch  
DESIGNATED STATES: R AT; R BE; R CH; R CY; R DE; R DK; R ES; R FI; R FR; R  
GB; R GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R  
SE; R AL; R LT; R LV; R MK; R RO; R SI  
PATENT INFO.PUB.TYPE: EPA1 EUROPAEISCHE PATENTANMELDUNG (Internationale  
Anmeldung)  
PATENT INFORMATION:

	PATENT NO	KIND DATE
	EP 1228756	A1 20020807
'OFFENLEGUNGS' DATE:		20020807
APPLICATION INFO.:	EP 2000-964720	20001006
PRIORITY APPLN. INFO.:	JP 1999-285735	19991006
RELATED DOC. INFO.:	WO 00-JP6987	001006 INTAKZ
	WO 0124790	010412 INTPNR

L7 ANSWER 15 OF 19 EUROPATFULL COPYRIGHT 2003 WILA on STN

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 1213282 EUROPATFULL EW 200224 FS OS  
TITLE: Substituted imidazolium salts and their use for the  
inhibition of protein ageing.  
Substituierte Imidazolium-Saelze und ihre Verwendung zur  
Hemmung der Proteinaltern.  
Sels d'imidazolium substituees et leur utilisation pour

INVENTOR(S): l'inhibition de vieillissement des proteins.  
Mallon, Veronica M., 395 North Little Tur Road, New City, NY 10965, US;  
Egan, John J., 169 East 69th, Apt. 6D, New York, NY 10021, US;  
Hwang, San-Bao, 38 Carriage Way, Sudbury, MA 01176, US;  
Ulrich, Peter, 148 DeWolf Road, Old Tappan, NJ 07675, US;  
Wagle, Dilip R., 731 Route 9W, Cottage No. 4, Valley Cottage, NY 10989, US;  
Vasan, Sara, 150 East 30th, Apt. 2E, New York, NY 10016, US;  
Cerami, Anthony, 765 Old Saw Mill River Road, Tarrytown, NY 10591, US

PATENT ASSIGNEE(S): ALTEON Inc., 170 Williams Drive, Ramsey, New Jersey 07446, US

PATENT ASSIGNEE NO: 1335841

AGENT: Mercer, Christopher Paul et al., Carpmaels & Ransford 43, Bloomsbury Square, London WC1A 2RA, GB

AGENT NUMBER: 46611

OTHER SOURCE: BEPA2002050 EP 1213282 A1 0029

SOURCE: Wila-EPZ-2002-H24-T1a

DOCUMENT TYPE: Patent

LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch

DESIGNATED STATES: R AT; R BE; R CH; R DE; R DK; R ES; R FI; R FR; R GB; R GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE

PATENT INFO.PUB.TYPE: EPA1 EUROPAEISCHE PATENTANMELDUNG

PATENT INFORMATION:

	PATENT NO	KIND	DATE
	EP 1213282	A1	20020612
'OFFENLEGUNGS' DATE:			20020612
APPLICATION INFO.:	EP 2002-75720		19970502
PRIORITY APPLN. INFO.:	US 1996-643288		19960508
	US 1997-848776		19970501
RELATED DOC. INFO.:	EP 920418	DIV	

L7 ANSWER 16 OF 19 EUROPATFULL COPYRIGHT 2003 WILA on STN

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 1108434 EUROPATFULL EW 200125 FS OS

TITLE: DRUGS FOR RELIEVING CARBONYL STRESS AND PERITONEAL DIALYSATES.  
 MEDIKAMENTE ZUR VERRINGERUNG DER CARBONYLBELASTUNG UND PERITONEALDIALYSATE.  
 MEDICAMENTS DE SEDATION DE L'AGRESSION DU CARBONYLE ET DES DIALYSATS PERITONEAUX.

INVENTOR(S): MIYATA, Toshio, 102 Ekuseru Isehara 16-25, Sakuradai 2-chome, Isehara-shi, Kanagawa 259-1132, JP

PATENT ASSIGNEE(S): Kurokawa, Kiyoshi, Ichigaya Hills 401, 49 Ichigaya-yanagimachi, Sinjuku-ku, Tokyo 162-0061, JP;  
 Miyata, Toshio, 102 Ekuseru Isehara, 16-25, Sakuradai 2-chome, Isehara-shi, Kanagawa 259-1132, JP

PATENT ASSIGNEE NO: 2738250; 2964891

AGENT: Gruenecker, Kinkeldey, Stockmair & Schwanhaeusser Anwaltssozietat, Maximilianstrasse 58, 80538 Muenchen, DE

AGENT NUMBER: 100721

OTHER SOURCE: BEPA2001047 EP 1108434 A1 0051

SOURCE: Wila-EPZ-2001-H25-T1b

DOCUMENT TYPE: Patent

LANGUAGE: Anmeldung in Japanisch; Veroeffentlichung in Englisch; Verfahren in Englisch

DESIGNATED STATES: R AT; R BE; R CH; R CY; R DE; R DK; R ES; R FI; R FR; R GB; R GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE; R AL; R LT; R LV; R MK; R RO; R SI  
PATENT INFO.PUB.TYPE: EPA1 EUROPAEISCHE PATENTANMELDUNG (Internationale Anmeldung)

PATENT INFORMATION:

	PATENT NO	KIND DATE
	EP 1108434	A1 20010620
'OFFENLEGUNGS' DATE:		20010620
APPLICATION INFO.:	EP 1999-938581	19990823
PRIORITY APPLN. INFO.:	JP 1998-237108	19980824
	JP 1999-155393	19990602
RELATED DOC. INFO.:	WO 99-JP4521	990823 INTAKZ
	WO 0010606	000302 INTPNR

L7 ANSWER 17 OF 19 EUROPATFULL COPYRIGHT 2003 WILA on STN

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

ACCESSION NUMBER: 920418 EUROPATFULL EW 200236 FS PS  
TITLE: SUBSTITUTED IMIDAZOLIUM SALTS AND THEIR USE FOR THE INHIBITION OF PROTEIN AGEING.  
SUBSTITUIERTE IMIDAZOLIUMSALZE UND DEREN VERWENDUNG ZUR HEMMUNG DER PROTEINALTERUNG.  
SELS D'IMIDAZOLIUM SUBSTITUES ET LEUR EMPLOI POUR INHIBER LE VIEILLISSEMENT DE PROTEINES.  
INVENTOR(S): WAGLE, Dilip, R., 731 Route 9W, Cottage No. 4, Valley Cottage, NY 10989, US;  
HWANG, San-Bao, 38 Carriage Way, Sudbury, MA 01176, US;  
MALLON, Veronica, M., 395 North Little Tur Road, New City, NY 10965, US;  
VASAN, Sara, 150 East 30th, Apt. 2E, New York, NY 10016, US;  
EGAN, John J., 169 East 69th, Apt. 6D, New York, NY 10021, US;  
ULRICH, Peter, 148, DeWolf Road, Old Tappan, New Jersey 07675, US;  
CERAMI, Anthony, 765 Old Saw Mill River Road, Tarrytown, NY 10591, US  
PATENT ASSIGNEE(S): ALTEON Inc., 170 Williams Drive, Ramsey, New Jersey 07446, US  
PATENT ASSIGNEE NO: 1335841  
AGENT: Mercer, Christopher Paul, Carpmaels & Ransford 43, Bloomsbury Square, London WC1A 2RA, GB  
AGENT NUMBER: 46611  
OTHER SOURCE: BEPB2002063 EP 0920418 B1 0016  
SOURCE: Wila-EPS-2002-H36-T1  
DOCUMENT TYPE: Patent  
LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch  
DESIGNATED STATES: R AT; R BE; R CH; R DE; R DK; R ES; R FI; R FR; R GB; R GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE  
PATENT INFO.PUB.TYPE: EPB1 EUROPAEISCHE PATENTSCHRIFT (Internationale Anmeldung)

PATENT INFORMATION:

	PATENT NO	KIND DATE
	EP 920418	B1 20020904
'OFFENLEGUNGS' DATE:		19990609
APPLICATION INFO.:	EP 1997-922635	19970502
PRIORITY APPLN. INFO.:	US 1996-643288	19960508
	US 1997-848776	19970501
RELATED DOC. INFO.:	WO 97-US7466	970502 INTAKZ
	WO 9742175	971113 INTPNR

REFERENCE PAT. INFO.: EP 316852 A WO 93-13775 A  
 US 5258381 A US 5356895 A  
 US 5358960 A US 5514676 A

REF. NON-PATENT-LIT.: JOURNAL OF HETEROCYCLIC CHEMISTRY, vol. 11, no. 5,  
 October 1974, pages 781-6, XP002036880 Y. TAMURA ET.  
 AL.: "Synthesis and properties of 3-acylimino-  
 1-alkylimidazolium and benzimidazolium betaines."  
 JOURNAL OF MEDICINAL CHEMISTRY, vol. 32, no. 10, October  
 1989, WASHINGTON DC, US, pages 2301-6, XP002036881 S.J.  
 DOMINIANNI ET. AL.: "Oral Hypoglycemic Agents. Discovery  
 and Structure-Activity Relationships of  
 Phenacylimidazolium Halides." JOURNAL OF MEDICINAL  
 CHEMISTRY, vol. 30, no. 4, April 1987, WASHINGTON DC,  
 US, pages 696-704, XP002036882 R. LIS ET. AL.:  
 "Synthesis and Antiarrhythmic Activity of Novel  
 3-alkyl-1-(omega-(4-((alkylsulfonyl)amino) phenyl)-  
 omega-hydroxyalkyl)-1H-imidazolium Salts and Related  
 Compounds."

L7 ANSWER 18 OF 19 EUROPATFULL COPYRIGHT 2003 WILA on STN

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

ACCESSION NUMBER: 888293 EUROPATFULL EW 200213 FS PS  
 TITLE: N-ACYLAMINOALKYLHYDRAZINECARBOXIMIDAMIDES.  
 N-ACYLAMINOALKYLHYDRAZINECARBOXIMIDAMIDE.  
 N-ACYLAMINOALKYLHYDRAZINECARBOXIMIDAMIDES.

INVENTOR(S): ULRICH, Peter, C., 148 DeWolf Road, Old Tappan, NJ  
 07675, US;  
 WAGLE, Dilip, R., 731 Route 9W Cottage No. 4, Valley  
 Cottage, NY 10989, US

PATENT ASSIGNEE(S): ALTEON Inc., 170 Williams Drive, Ramsey, New Jersey  
 07446, US

PATENT ASSIGNEE NO: 1335841  
 AGENT: Mercer, Christopher Paul, Carpmaels & Ransford 43,  
 Bloomsbury Square, London WC1A 2RA, GB

AGENT NUMBER: 46611  
 OTHER SOURCE: BEPB2002024 EP 0888293 B1 0017  
 SOURCE: Wila-EPS-2002-H13-T1  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch  
 DESIGNATED STATES: R AT; R BE; R CH; R DE; R DK; R ES; R FI; R FR; R GB; R  
 GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE; R  
 AL; R LT; R LV; R RO; R SI

PATENT INFO.PUB.TYPE: EPB1 EUROPAEISCHE PATENTSCHRIFT (Internationale  
 Anmeldung)

PATENT INFORMATION:

	PATENT NO	KIND DATE
	EP 888293	B1 20020327
'OFFENLEGUNGS' DATE:		19990107
APPLICATION INFO.:	EP 1996-945113	19961226
PRIORITY APPLN. INFO.:	US 1995-9220	19951226
	US 1996-618407	19960319
	US 1996-771959	19961223
RELATED DOC. INFO.:	WO 96-US20810	961226 INTAKZ
	WO 9723447	970703 INTPNR
REFERENCE PAT. INFO.:	US 4758583 A	
REF. NON-PATENT-LIT.:	EUR. J. MED. CHEM. (1987), 22(6), 553-8 CODEN: EJMCA5;ISSN: 0223-5234, 1987, XP000579748 NAKASHIMA, KUNIO ET AL: "Methylglyoxal bis(guanyldrazone) analogs. Multifunctional inhibitors for polyamine enzymes" J. ORG. CHEM. (1993), 58(16), 4331-8 CODEN: JOCEAH;ISSN: 0022-3263, 1993, XP000670003 WAGENAAR,	

FRANK L. ET AL: "Methodology for the preparation of  
N-guanidino-modified arginines and related derivatives"

L7 ANSWER 19 OF 19 EUROPATFULL COPYRIGHT 2003 WILA on STN

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

ACCESSION NUMBER: 808163 EUROPATFULL EW 200330 FS PS  
TITLE: USE OF THIAZOLIUM COMPOUNDS FOR PREVENTING AND REVERSING  
THE FORMATION OF ADVANCED GLYCOSYLATION ENDPRODUCTS.  
VERWENDUNG VON THIAZOLIUMVERBINDUNGEN ZUM VERHINDERN UND  
UMKEHREN DER BILDUNG VON ENDPRODUKTEN DER  
FORTGESCHRITTENEN GLYKOSYLIERUNG.  
UTILISATION DE COMPOSES DE THIAZOLIUM POUR EMPECHER ET  
INVERSER LA FORMATION DE PRODUITS FINIS DE GLYCOSYLATION  
AVANCEE.

INVENTOR(S): CERAMI, Anthony, Ram Island Drive, Shelter Island, NY  
11964, US;  
ULRICH, Peter C., 148 DeWolf Road, Old Tappan, NJ 07675,  
US;  
WAGLE, Dilip R., Cottage No. 4, 731 Route 9W, Valley  
Cottage, NY 10989, US;  
HWANG, San-Bao, 38 Carriage Way, Sudbury, MA 01776, US;  
VASAN, Sara, 1155 Warburton Avenue, Yonkers, NY 10701,  
US;  
EGAN, John J., 63 Ball Road, Mountain Lakes, NJ 07046,  
US

PATENT ASSIGNEE(S): ALTEON Inc., 170 Williams Drive, Ramsey, New Jersey  
07446, US;

THE PICOWER INSTITUTE FOR MEDICAL RESEARCH, 350  
Community Drive, Manhasset, NY 11030, US  
1335841; 1673241

PATENT ASSIGNEE NO: Mercer, Christopher Paul, Carpmaels & Ransford 43,  
AGENT: Bloomsbury Square, London WC1A 2RA, GB

AGENT NUMBER: 46611

OTHER SOURCE: MEPB2003040 EP 0808163 B1 0051

SOURCE: Wila-EPS-2003-H30-T1

DOCUMENT TYPE: Patent

LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch

DESIGNATED STATES: R AT; R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R  
IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE

PATENT INFO.PUB.TYPE: EPB1 EUROPAEISCHE PATENTSCHRIFT (Internationale  
Anmeldung)

PATENT INFORMATION:

	PATENT NO	KIND	DATE
	EP 808163	B1	20030723
'OFFENLEGUNGS' DATE:			19971126
APPLICATION INFO.:	EP 1996-903540		19960118
PRIORITY APPLN. INFO.:	US 1995-375155		19950118
	US 1996-588249		19960118
RELATED DOC. INFO.:	WO 96-US663	960118	INTAKZ
	WO 96022095	960725	INTPNR
REFERENCE PAT. INFO.:	EP 167139 A	EP 170037	A
	EP 364344 A	EP 586806	A
	EP 614886 A	WO 94-11490	A
	WO 94-20083 A	DE 2323465	A
	US 5262152 A		

REF. NON-PATENT-LIT.: ADVANCES IN PHARMACOLOGY, vol. 23, 1992, pages 1-34,  
XP000575711 BUCALA, R. ET AL: "Advanced glycosylation:  
chemistry, biology and implications for diabetes and  
aging" cited in the application MODERN AGING RESEARCH,  
vol. 7, 1985, pages 83-92, XP000575428 ULRICH, P. ET AL:  
"Aging of proteins. The furoyl furanyl imidazole



crosslink as a key advanced glycosylation event" PROC. NATL. ACAD. SCI., USA, vol. 81, no. 9, May 1984, pages 2684-2688, XP000574890 PONGOR, S. ET AL: "Aging of proteins: isolation and identification of a fluorescent chromophore from the reaction of polypeptides with glucose" MAILLARD REACTIONS IN CHEMISTRY FOOD AND HEALTH, vol. 151, 1994, pages 281-285, XP000576211 KAWAKISHI, S. ET AL: "Biomimic oxidation of glycated protein and Amadori Product" DATABASE WPI Section Ch, Week 8928 Derwent Publications Ltd., London, GB; Class B02, AN 89-204102 XP002007906 & JP-A-01143855 (MITSUI PHARM INC), 6 June 1989 JOURNAL OF ORGANIC CHEMISTRY, vol. 41, no. 2, 1976, pages 187-191, XP000574967 POTTS, K.T. ET AL: "Bridgehead nitrogen systems. X. Cycloadditions with thiazolium N-ylides" cited in the application TETRAHEDRON, vol. 48, no. 22, 1992, pages 4545-50, XP000575888 SINGH, H. ET AL: "Aqueous base induced selective transformations of 3-(2-oxoalkyl)thiazolium cations" HETEROCYCLES, vol. 31, no. 10, 1990, page 1801-9 XP000576241 GANDASEGUI, M.T. ET AL: "Synthesis of new disubstituted azolium ylides" THE JOURNAL OF MEDICINAL CHEMISTRY, vol. 32, no. 10, 1989, pages 2301-2306, XP000575890 DOMINIANNI, S.J. ET AL: "Oral hypoglycemic agent6s. Discovery and structure-activity relationships of phenacylimidazolium halides" CHEMISTRY LETTERS, vol. 5, 1982, pages 711-714, XP000575895 TSUGE, O. ET AL: "Formation of novel cage compounds via endo-(3 + 2) cycloadducts between thiazolium N-methylides and methylenecyclopropenes" THE JOURNAL OF MEDICINAL CHEMISTRY, vol. 22, no. 3, 1979, pages 306-309, XP000575892 ARCHER, S. ET AL: "An attempt to apply lethal synthesis to the design of chemotherapeutic agents fluorinated 5-beta-(hydroxyethyl)-4-methylthiazoles" DATABASE WPI Section Ch, Week 8544 Derwent Publications Ltd., London, GB; Class B05, AN 85-272759 XP002007907 & JP-A-60184038 (NIPPON KASEI KK), 19 September 1985 Chem. Pharm. Bull., vol.32, pp.2446-2449, (1984) J. Org. Chem., vol.42, pp.1648-1649, (1977) Heterocyclic Chem., vol.10, pp.947-951, (1973) J. Med. Chem., vol. 32, pp. 2301-2306, 1989

=>